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CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

COUNTRY East Germany

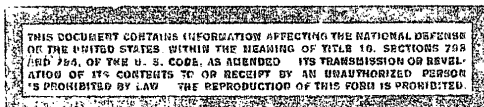
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SUBJECT Zentralinstitut fuer Funktechnik (ZIF)
(Central Institute for Radio Engineering)

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THIS IS UNEVALUATED INFORMATION

Appraisal of Content: 3.

1. In January 1954, Adolf Keemann, chief of the Main Administration for the Radio Engineering Industry (HV RPT) travelled with a delegation to China. His absence prevented a reorganization of the Zentralinstitut fuer Funktechnik (Central Institute for Radio Techniques) (ZIF). Dr. Ernst Gerhard, chief of the ZIF, stated however, that the Electronic Tubes Department headed by Dipl. Ing. Walter Hass and the Sound Recording Department headed by Mehlick (fnu) would have to be eliminated from the ZIF because the Postal Administration had not allocated any funds for these two departments. It was believed possible that the two departments mentioned would be placed under the control of the HV RPT effective 1 July 1954.¹
2. Mehlick, departmental chief at the ZIF, planned the establishment of a VEB Entwicklung Elektroakustik (Nationalized Development Agency for Electroacoustics). The new agency was to include the Sound Recording Department of ZIF, the Magnetic Sound Recording and Microphone group of Funkwerk Koepenick, the Electroacoustics Department at the HF Signal Communication Engineering Plant in Oberschoeneweide headed by Domstch, and the other similar development groups. In January 1954, Mehlick negotiated with Herr Graf (fnu) of the 2d Physics Institute of Jena University.
3. In January 1954, Harald Pressler, chief of the Echo Depth Sounding Department of ZIF, stated that development work on the echo depth sounder and the echograph had been completed and that the set had gone into production. The echo depth sounder indicated depths of up to 1,200 meters. Work on the development of a new echo depth sounder designed for the measuring of shallow waters had been started. At the laboratory the set indicated water depths of 30 cm correctly. The group of engineers headed by Vorbrodt (fnu) had nearly completed development work on a so-called "Bunkerstandsanzeiger". This equipment is designed to indicate the degree to which a large container or bunker etc. is filled with material. The set works as a sound-ranging altimeter from the ceiling of the container and operates with supersonic waves on 17 kcs. It was, however, doubted whether this set would ever work in practice because of the great noise occurring in industrial areas.
4. In December 1953, a directional receiver operating on waves of medium to high frequency (1-3 mcs 300-100 meters) was turned over for test purposes to the marine radio test station on Lake Mueggelsee. The

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- 2 -

set which had been developed at Funkwerk Koepenick was subsequently forwarded for further tests to Herr Fegert's laboratory at the building of the Main Administration for the Radio Engineering Industry on Edisonstrasse in Berlin.¹

5. The following lists the distribution of the 1954 budget allocations to ZIF:

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- 3 -

Breakdown of the ZIF Administrative Staff 1954 and Allocations Drawn up on
25 January 1954:

| Group | Leader | Budget in Thousands of DM |
|------------------------------------------------------------------------------------|------------------------|------------------------------|
| (1.) Electronic tubes (Elektronenroehren) | Dipl. Ing. Walter Bass | 965. |
| (2.) Sound recording (Schallaufzeichnung) | Mehlich (fnn) | 350. |
| (3.) Low frequency engineering (N.F.-Technik) | Dr. Strack (fnn) | 240. |
| (4.) Wave propagation (Wellenausbreitung) | Kusch (fnn) | 53. |
| (5.) Television (Fernsehen) | Friedrich (fnn) | 200. |
| (6.) Transmitter engineering (Sendetechnik) | Stark (fnn) | 17. |
| (7.) Special fields (Sondergebiete) | Dr. Roosenstein (fnn) | 19. |
| (8.) Sound reproduction (Schallwiedergabe) | Dr. Voth (fnn) | 10. |
| (9.) Decimeter engineering (Dm technik) | Deutschmann (fnn) | 8. |
| (10.) Commercial equipment (Kommerzielle Gerate) | Fegert (fnn) | 60. |
| (11.) Electroplating (Galvanik) | Goesel (fnn) | 6. |
| (NOTE: The above budgets include personnel costs, procurement, and material costs) | | |
| (12.) Construction | Stadler | 144. |
| (13.) Operating staff (Betriebsorganisation) | Mueller-Freussner | 36. |
| (14.) Administration (Verwaltung) | Zimmerer | 654. |
| (NOTE: The above budgets - 12 through 14 - are exclusively for personnel costs) | | |
| (15.) Overhead, bonuses, repairs | | 53.5 |
| Total amount allocated to ZIF | | 4,691.5 |

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